

Title (en)

Modular high voltage sensing unit

Title (de)

Modulare Hochspannungssensoreinheit

Title (fr)

Unité de détection de tension élevée modulaire

Publication

EP 2728365 A2 20140507 (EN)

Application

EP 13191303 A 20131101

Priority

- US 201261721549 P 20121102
- US 201314036752 A 20130925

Abstract (en)

A high voltage sensing unit includes a housing having an internal bore. A resistive voltage divider, including a primary resistor and a secondary resistor configured in series, is included within the housing. A connecting assembly is configured to attach the high voltage sensing unit to a terminal of a high voltage switching device. The connecting assembly provides an electrical connection from the high voltage switching device to the primary resistor and physically supports the high voltage sensing unit. An interface cable provides an electrical connection from the secondary resistor to a receptacle on the high voltage switching device, which can receive a voltage signal and pass the voltage signal to a controller using existing control wiring.

IPC 8 full level

G01R 15/14 (2006.01); **G01R 15/04** (2006.01); **H02M 1/00** (2006.01)

CPC (source: EP US)

G01R 1/203 (2013.01 - US); **G01R 15/14** (2013.01 - EP US); **G01R 1/00** (2013.01 - US); **G01R 15/04** (2013.01 - EP US); **H04B 2201/00** (2013.01 - US)

Cited by

CN104869355A; EP3364196A1; EP3462183A1; US11099215B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2728365 A2 20140507; **EP 2728365 A3 20170809**; BR 102013028063 A2 20141029; CA 2831768 A1 20140502; CA 2831768 C 20161122; CO 7250283 A1 20150430; CR 20130561 A 20140303; MX 2013012839 A 20140521; MX 337653 B 20160314; US 2014125320 A1 20140508; US 9335348 B2 20160510

DOCDB simple family (application)

EP 13191303 A 20131101; BR 102013028063 A 20131031; CA 2831768 A 20131030; CO 13258845 A 20131031; CR 20130561 A 20131031; MX 2013012839 A 20131101; US 201314036752 A 20130925